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Asthma, pharmacotherapy, and managed care organizations (Leung et al), 2000;106:994 (Editors' choice)
Asthma pharmacotherapy and utilization by children in 3 managed care organizations (Donahue et al), 2000;106:1108-14

Cross-reacting carbohydrate determinant
Allergy caused by ingestion of zucchini *(Cucurbita pepo):* characterization of allergens and cross-reactivity to pollen and other foods (Reindl et al), 2000;106:379-85

Cross reactions
Clinical cross-reactivity among goods of the Rosaceae family (Rodriguez et al), 2000;106:183-9

Cross-reactive carbohydrate determinants
Celery allergens in patients with positive double-blind placebo-controlled food challenge (Lüttkopf et al), 2000;106:390-9

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Allergy caused by ingestion of zucchini *(Cucurbita pepo):* characterization of allergens and cross-reactivity to pollen and other foods (Reindl et al), 2000;106:379-85
Allergy to pumpkin and cross-reactivity to other Cucurbitaceae fruits (Figueredo et al), 2000;106:402-3
Digestibility of allergens extracted from natural rubber latex and vegetable foods (Yagami et al), 2000;106:752-62
Immediate allergic reactions to cephalosporins: cross-reactivity and selective responses (Romano et al), 2000;106:1177-83
Molecular and biochemical classification of plant-derived food allergens (Breiteneder and Ebner), 2000;106:27-36
Structural biology of allergens (Aalberse), 2000;106:228-38

CSCR4
Glucocorticoids preferentially upregulate functional CXCR4 expression in eosinophils (Nagase et al), 2000;106:1132-9

Cucurbitaceae
Allergy caused by ingestion of zucchini *(Cucurbita pepo):* characterization of allergens and cross-reactivity to pollen and other foods (Reindl et al), 2000;106:379-85

Allergy to pumpkin and cross-reactivity to other Cucurbitaceae fruits (Figueredo et al), 2000;106:402-3
Randomized, double-blind, crossover challenge study in 53 subjects reporting adverse reactions to melon *(Cucumis melo)* (Rodriguez et al), 2000;106:968-72

Cyclic adenosine monophosphate
Desensitization of β2-adrenoceptor and hypersensitization to phosphodiesterase inhibitors elicited by β2-agonists in guinea pig eosinophils (Mio et al), 2000;106:896-903

Cyclo-oxygenase
Cyclo-oxygenase 2 inhibition and aspirin sensitivity (Leung et al), 2000;106:993-4 (Editors' choice)
Cyclo-oxygenase responses to endotoxemia (Zweiman and Rothenberg), 2000;106:598-9 (Beyond our pages)
Selective cyclo-oxygenase 2 inhibitor in patients with aspirin-induced asthma (Yoshida et al), 2000;106:1201-2 (Letter to editor)

Cyclosporin A
Induction of autologous graft-versus-host disease with cyclosporin A after peripheral blood stem cell transplantation: analysis of factors affecting induction (Miura et al), 2000;106:S51-7
Regulation of nuclear factor of activated T-cell family transcription factors during T-cell development in the thymus (Amasaki et al), 2000;106:S1-9

Cysteinyl leukotrienes
5' Flanking region polymorphism of the gene encoding leukotriene C4 synthase does not correlate with the aspirin-intolerant asthma phenotype in the United States (Van Sambeek et al), 2000;106:72-6

Cytochromes
Impact of developmental pharmacology on pediatric study design: overcoming the challenges (Kearns), 2000;106:128-38

Cytokine(s)
Additive immunosuppressive effects of 1,25-dihydroxyvitamin D3 and corticosteroids on TH1, but not TH2, responses (Jirapongsananuruk et al), 2000;106:981-5 (Brief communication)
Antigen-specific and nonspecific determinants of cytokine production during topical sensitization of mice to chemical allergens (Moussavi et al), 2000;106:357-68
Cytokine profile in minor salivary glands from patients with bronchial asthma (Tsicopoulos et al), 2000;106:687-96
Determinants of the immune-inflammatory response in allergic airway inflammation: overview of antigen presentation and cellular activation (Ritz et al), 2000;106:S206-12
Differences between adult and childhood asthma (Larsen), 2000;106:S153-7
Differences in antigen-specific T-cell responses between infants with atopic dermatitis with and without cow's milk allergy: relevance of TH2 cytokines (Schade et al), 2000;106:1155-62
Differential effects of topical steroids on cytokines in allergic rhinitis (Leung et al), 2000;106:200 (Editors' choice)
Down-regulation of IL-12 by topical corticosteroids in chronic atopic dermatitis (Yawalkar et al), 2000;106:941-7
Evidence for expression of eosinophil-associated IL-12 messenger RNA and immunoreactivity in bronchial asthma (Nutku et al), 2000;106:288-92
IL-10 and allergen-induced lung inflammation in asthma (Leung et al), 2000;106:785 (Editors' choice)
Kinetics of IL-10 production after segmental antigen challenge of atopic asthmatic subjects (Colavita et al), 2000;106:880-6
Macrophage subpopulations and macrophage-derived cytokines in sputum of atopic and nonatopic asthmatic subjects and atopic and normal control subjects (Zeibecoglou et al), 2000;106:697-704
Mechanism of topical glucocorticoid treatment of hay fever: IL-5 and eosinophil activation during natural allergen exposure are suppressed, but IL-4, IL-6, and IgE antibody production are unaffected (Kita et al), 2000;106:521-9
New directions in allergic diseases: mechanism-based anti-inflammatory therapies (Barnes), 2000;106:5-16 (New millennium)
Production of fibrogenic cytokines by cord blood-derived cultures human mast cells (Kanbe et al), 2000;106:85-90
Reciprocal regulation of cultured human mast cell cytokine production by IL-4 and IFN-γ (Tachimoto et al), 2000;106:141-9
Recruitment of T cells to the lung in response to antigen challenge (Hamid and Cameron), 2000;106:S227-34
Signaling through the β2 integrin prolongs eosinophil survival (Chihara et al), 2000;106:S99-103
Subjects with allergic reactions to drugs show in vivo polarized patterns of cytokine expression depending on the chronology of the clinical reaction (Posadas et al), 2000;106:769-76
Systemic activation of basophils and eosinophils: markers and consequences (Bochner), 2000;106:S292-302
Systemic aspects of allergic disease: bone marrow responses (Denburg et al), 2000;106:S242-6
TH1 vs TH2 drug reactions (Leung et al), 2000;106:602 (Editors' choice)
T lymphocytes in asthma: bronchial versus peripheral responses (Durham et al), 2000;106:S221-6
Topical steroid treatment of allergic rhinitis decreases nasal fluid TH2 cytokines, eosinophils, eosinophil cationic protein, and IgE but has no significant effect on IFN-γ, IL-1β, TNF-α, or neutrophils (Benson et al), 2000;106:307-12

Cytokine receptors
Analysis of antiapoptosis activity of human GM-CSF receptor (Liu et al), 2000;106:S10-18
Surface membrane antigen alteration on blood basophils in patients with Hymenoptera venom allergy under immunotherapy (Siegmund et al), 2000;106:1190-5

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Chemokines induce eosinophil degranulation through CCR-3 (Fujisawa et al), 2000;106:507-13
Role of mast cells in the onset of IgE-mediated late-phase cutaneous response in mice (Nagai et al), 2000;106:S91-8

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Deletions, de novo
Frequent de novo mutations and exon deletions in the *C1INH* gene of patients with angioedema (Pappalardo et al), 2000;106:1147-54

Dendritic cells
Antigen-specific and nonspecific determinants of cytokine production during topical sensitization of mice to chemical allergens (Moussavi et al), 2000;106:357-68
Down-regulation of IL-12 by topical corticosteroids in chronic atopic dermatitis (Yawalkar et al), 2000;106:941-7

De novo mutations
Frequent de novo mutations and exon deletions in the *C1INH* gene of patients with angioedema (Pappalardo et al), 2000;106:1147-54

Dermatitis, atopic
Allergen sensitization through the skin induces systemic allergic responses (Beck et al), 2000;106:S258-63
An *IL-13* coding region variant is associated with a high total serum IgE level and atopic dermatitis in the German Multicenter Atopy Study (MAS-90) (Liu et al), 2000;106:167-70
Determinants of systemic manifestations of food allergy (Sicherer), 2000;106:S251-7
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Down-regulation of IL-12 by topical corticosteroids in chronic atopic dermatitis (Yawalkar et al), 2000;106:941-7
Persimmon leaf extract and astragalin inhibit development of dermatitis and IgE elevation in NC/Nga mice (Kotani et al), 2000;106:159-66

Dermatitis, contact
Contact allergy to polidocanol, 1992 to 1999 (Uter and Geier), 2000;106:1203 (Letter to editor)

Dermatitis, eczematous
A role for Fas-associated apoptosis in eczematous dermatitis (Zweiman and Rothenberg), 2000;106:783 (Beyond our pages)

***Dermatophagoides pteronyssinus* (Der p 1)**
Exposure to mite and cat allergens on a range of clothing items at home and the transfer of cat allergen in the work (De Lucca et al), 2000;106:874-9
Passive cat allergen exposure (Leung et al), 2000;106:786 (Editors' choice)

Desensitization
Desensitization of β2-adrenoceptor and hypersensitization to phosphodiesterase inhibitors elicited by β2-agonists in guinea pig eosinophils (Mio et al), 2000;106:896-903

Desloratadine
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Dexamethasone
Glucocorticoids preferentially upregulate functional CXCR4 expression in eosinophils (Nagase et al), 2000;106:1132-9

Dianthus caryophillus
Simultaneous occupational allergy to a carnation and its parasite in a greenhouse worker (Cisteró-Bahima et al), 2000;106:780 (Letter to Editor)

Diary
Parents report mild daily asthma symptoms in young asthmatic children (Leung et al), 2000;106:786 (Editors' choice)
Validation of a pediatric asthma caregiver diary (Santanello et al), 2000;106:861-6

Diesel exhaust
Diesel exhaust particles directly induce activated mast cells to degranulate and increase histamine levels and symptom severity (Diaz-Sanchez et al), 2000;106:1140-6

Diet, cow's milk-free
Effect of maternal diet during lactation on development of bovine insulin-binding antibodies in children at risk for allergy (Paronen et al), 2000;106:302-6

Diplacental transfer
Transplacental allergen-specific fetal T-cell priming is restricted to the second trimester (Leung et al), 2000;106:408 (Editors' choice)
Transplacental priming of the human immune system with environmental allergens can occur early in gestation (Szépfalusi et al), 2000;106:530-6

Disease control
Exhaled nitric oxide levels correlate with measures of disease control in asthma (Sippel et al), 2000;106:645-50

Diversity
Delayed recovery of CDR3 complexity of the T-cell receptor-β chain in recipients of allogeneic bone marrow transplants who had virus-associated

interstitial pneumonia: monitor of T-cell function by CDR3 spectratyping (Hirokawa et al), 2000;106:S32-9

DNA

DNA-based vaccination reduces the risk of lethal anaphylactic hypersensitivity in mice (Horner et al), 2000;106:349-56

DNA, immunostimulatory

Conjugation of immunostimulatory DNA to the short ragweed allergen Amb a 1 enhances its immunogenicity and reduces its allergenicity (Tighe et al), 2000;106:124-34

DNA mutational analysis

Frequent de novo mutations and exon deletions in the *C1INH* gene of patients with angioedema (Pappalardo et al), 2000;106:1147-54

Drug(s)

Challenges in conducting pediatric drug trials (Berlin et al), 2000;106:S125-7

Incentive to study drugs in children and other governmental initiatives: will patients with asthma benefit? (Giacoia), 2000;106:S118-24

Meeting the needs of the modernization act: challenges in developing pediatric therapies (Szefler), 2000;106:S115-17

Drug(s), additives to

IgE-mediated reaction to a banana-flavored drug additive (Matheu et al), 2000;106:1202 (Letter to editor)

Drug(s), delivery of

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Pharmacokinetics, pharmacodynamics, and the delivery of pediatric bronchodilator therapy (Skoner), 2000;106:S158-64

Drug(s), dose selection for

Montelukast adult (10-mg film-coated tablet) and pediatric (5-mg chewable tablet) dose selections (Knorr et al), 2000;106:S171-8

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Anaphylactic shock after subcutaneous injection of mandragora D3, a homeopathic drug (Helbling et al), 2000;106:989-90 (Correspondence)

Effect of allergist intervention on patient-centered and societal outcomes: allergists as leaders, innovators, and educators (Zeiger and Schatz), 2000;106:995-1018

Drug eruption

Multilocalized fixed drug eruption to the antihistamine cetirizine (Kränke and Kern), 2000;106:988 (Letter to editor)

Drug hypersensitivity

Evidence for a role for IL-5 and eotaxin in activating and recruiting eosinophils in drug-induced cutaneous eruptions (Yawalkar et al), 2000;106:1171-6

Drug reactions

Subjects with allergic reactions to drugs show in vivo polarized patterns of cytokine expression depending on the chronology of the clinical reaction (Posadas et al), 2000;106:769-76

TH1 vs TH2 drug reactions (Leung et al), 2000;106:602 (Editors' choice)

DTaP

Change in gelatin content of vaccines associated with reduction in reports of allergic reactions (Nakayama and Aizawa), 2000;106:591-2 (Brief communication)

Dust

Dust endotoxin exposure and allergic sensitization (Zweiman et al), 2000;106:406 (Beyond our pages)

Dysphagia

Oropharyngeal dysphagia in ataxia-telangiectasia (Zweiman and Rothenberg), 2000;106:197 (Beyond our pages)

Dyspnea

The dose of intravenous hydrocortisone in acute wheezing and dyspnea (Barlan), 2000;106:782 (Correspondence)

The dose of intravenous hydrocortisone in acute wheezing and dyspnea (Sano), 2000;106:782 (Letter reply)

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Economics and economic burden; *see* Costs and cost analysis

Eczema, atopic

Modulation of the atopy patch test reaction by topical corticosteroids and tar (Langeveld-Wildschut et al), 2000;106:737-43

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A role for Fas-associated apoptosis in eczematous dermatitis (Zweiman and Rothenberg), 2000;106:783 (Beyond our pages)

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Effect of allergist intervention on patient-centered and societal outcomes: allergists as leaders, innovators, and educators (Zeiger and Schatz), 2000;106:995-1018

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Efficacy and safety overview of a new inhaled corticosteroid, QVAR (hydrofluoroalkane-beclomethasone extrafine inhalation aerosol), in asthma (Vanden Burgt et al), 2000;106:1209-24 (New products)

Eggs

Raw egg allergy—a potential issue in vaccine allergy (Kelso), 2000;106:990 (Correspondence)

Emergency department

Histamine and tryptase levels in patients with acute allergic reactions: an emergency department-based study (Lin et al), 2000;106:65-71

Endothelial cells

Expression and function of P-selectin glycoprotein ligand 1 (CD162) on human basophils (Taylor et al), 2000;106:918-24

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Basophil and eosinophil accumulation and mast cell degranulation in the nasal mucosa of patients with hay fever after local allergen provocation (KleinJan et al), 2000;106:677-86
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Bradykinin stimulates eotaxin production by a human lung fibroblast cell line (Sato et al), 2000;106:117-23
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Chemokines induce eosinophil degranulation through CCR-3 (Fujisawa et al), 2000;106:507-13
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Delayed eosinophil apoptosis in asthma (Kankaanranta et al), 2000;106:77-83
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Elevated chemokine levels in bronchoalveolar lavage fluid of patients with eosinophilic pneumonia (Katoh et al), 2000;106:730-6
Eosinophil cationic protein relates to sputum neutrophil counts in healthy subjects (Leigh et al), 2000;106:593-4 (Brief communication)
Eosinophilic apoptosis in sinus mucosa: relationship to tissue eosinophilia and its resolution in allergic sinusitis (Fan et al), 2000;106:551-8
Eotaxin induces a sustained reduction in the functional adhesive state of very late antigen 4 for the connecting segment 1 region of fibronectin (Sung et al), 2000;106:933-40
Evidence for expression of eosinophil-associated IL-12 messenger RNA and immunoreactivity in bronchial asthma (Nutku et al), 2000;106:288-92
Expression and function of P-selectin glycoprotein ligand 1 (CD162) on human basophils (Taylor et al), 2000;106:918-24
Glucocorticoids preferentially upregulate functional CXCR4 expression in eosinophils (Nagase et al), 2000;106:1132-9
Identification of a novel molecular fingerprint for eosinophilic inflammation (Zweiman and Rothenberg), 2000;106:598 (Beyond our pages)
IL-10 and allergen-induced lung inflammation in asthma (Leung et al), 2000;106:785 (Editors' choice)
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Increased number of glucocorticoid receptor-β-expressing cells in the airways in fatal asthma (Christodoulopoulos et al), 2000;106:479-84
Involvement of ion channels in human eosinophil respiratory burst (Schwingshackl et al), 2000;106:272-9
Kinetics of IL-10 production after segmental antigen challenge of atopic asthmatic subjects (Colavita et al), 2000;106:880-6
Mechanism of topical glucocorticoid treatment of hay fever: IL-5 and eosinophil activation during natural allergen exposure are suppressed, but IL-4, IL-6, and IgE antibody production are unaffected (Kita et al), 2000;106:521-9
A possible role for eosinophils in antigen presentation (Zweiman and Rothenberg), 2000;106:198 (Beyond our pages)
Relation of epidermal growth factor receptor expression to goblet cell hyperplasia in nasal polyps (Burgel et al), 2000;106:705-12
The relationship between serum IgE and surface levels of FcεR on human leukocytes in various diseases: correlation of expression with FcgeRI on basophils but not on monocytes or eosinophils (Saini et al), 2000;106:514-20
The relationship of sputum eosinophilia and sputum cell generation of IL-5 (Liu et al), 2000;106:1063-9

Road signs guiding leukocytes along the inflammation superhighway (Bochner), 2000;106:817-28
Signaling through the β2 integrin prolongs eosinophil survival (Chihara et al), 2000;106:S99-103
Systemic activation of basophils and eosinophils: markers and consequences (Bochner), 2000;106:S292-302
Systemic immunologic and inflammatory aspects of allergic rhinitis (Togias), 2000;106:S247-50
Tear and conjunctival changes during the allergen-induced early-and late-phase responses (Bacon et al), 2000;106:948-54
Topical steroid treatment of allergic rhinitis decreases nasal fluid TH2 cytokines, eosinophils, eosinophil cationic protein, and IgE but has no significant effect on IFN-γ, IL-1β, TNF-α, or neutrophils (Benson et al), 2000;106:307-12

Eosinophil cationic protein
Comparison of inflammatory responses to genetically engineered hypoallergenic derivatives of the major birch pollen allergen Bet v 1 and to recombinant BET v 1 wild type in skin chamber fluids collected from birch pollen-allergic patients (Nopp et al), 2000;106:101-9
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A comparison of exhaled nitric oxide and induced sputum as markers of airway inflammation (Berlyne et al), 2000;106:638-44
Exhaled NO in asthma: is it a clinically useful measurement? (Leung et al), 2000;106:601 (Editors' choice)

Eosinophilic inflammation
Control of IL-5 production by human helper T cells as a treatment for eosinophilic inflammation: comparison of in vitro and in vivo effects between selective and nonselective cytokine synthesis inhibitors (Mori et al), 2000;106:S58-64
Latent adenoviral infection modifies the steroid response in allergic lung inflammation (Yamada et al), 2000;106:844-51

Eosinophilic pneumonia
Elevated chemokine levels in bronchoalveolar lavage fluid of patients with eosinophilic pneumonia (Katoh et al), 2000;106:730-6

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Bradykinin stimulates eotaxin production by a human lung fibroblast cell line (Sato et al), 2000;106:117-23
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Glucocorticoids preferentially upregulate functional CXCR4 expression in eosinophils (Nagase et al), 2000;106:1132-9

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Exhaled nitric oxide levels correlate with measures of disease control in asthma (Sippel et al), 2000;106:645-50
Frequent de novo mutations and exon deletions in the *C1INH* gene of patients with angioedema (Pappalardo et al), 2000;106:1147-54
Increasing allergy in adults (Leung et al), 2000;106:199-200 (Editors' choice)
Increasing prevalence of specific IgE to aeroallergens in an adult population: two cross-sectional surveys 8 years apart (The Copenhagen Allergy Study) (Linneberg et al), 2000;106:247-52
Perception of induced bronchoconstriction in a community sample of adolescents (Wamboldt et al), 2000;106:1102-7
Sorting out the rising costs of asthma (Leung et al), 2000;106:408 (Editors' choice)
Trends in the cost of illness for asthma in the United States, 1985-1994 (Weiss et al), 2000;106:493-9

Epidermal growth factor
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Maintaining and repairing the nasal epithelium (Leung et al), 2000;106:993 (Editors' choice)

Epidermal growth factor receptor system
Relation of epidermal growth factor receptor expression to goblet cell hyperplasia in nasal polyps (Burgel et al), 2000;106:705-12

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First aid anaphylaxis management in children who were prescribed an epinephrine autoinjector device (EpiPen) (Gold and Sainsbury), 2000;106:171-6

Insect sting–inflicted systemic reactions: attitudes of patients with insect venom allergy regarding after-sting behavior and proper administration of epinephrine (Goldberg and Confino-Cohen), 2000;106:1184-9

EpiPen

First aid anaphylaxis management in children who were prescribed an epinephrine autoinjector device (EpiPen) (Gold and Sainsbury), 2000;106:171-6

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Latent adenoviral infection modifies the steroid response in allergic lung inflammation (Yamada et al), 2000;106:844-51

Epithelium, airway

Relation of epidermal growth factor receptor expression to goblet cell hyperplasia in nasal polyps (Burgel et al), 2000;106:705-12

Epithelium, nasal

Expression of c-erbB receptors and ligands in human nasal epithelium (Polosa et al), 2000;106:1124-31

Maintaining and repairing the nasal epithelium (Leung et al), 2000;106:993 (Editors' choice)

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IgE-binding epitopes of enolases, a class of highly conserved fungal allergens (Simon-Nobbe et al), 2000;106:887-95

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Tear and conjunctival changes during the allergen-induced early-and late-phase responses (Bacon et al), 2000;106:948-54

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Clinical, biochemical, and genetic characterization of a novel estrogen-dependent inherited form of angioedema (Binkley and Davis), 2000;106:546-50

Ethylene

Class I chitinases, the panallergens responsible for the latex-fruit syndrome, are induced by ethylene treatment and inactivated by heating (Sánchez-Monge et al), 2000;106:10-5

Excitatory postsynaptic potential

Neural integration and allergic disease (Undem et al), 2000;106:S213-20

Exercise

Asthma in United States Olympic athletes who participated in the 1998 Olympic Winter Games (Weiler and Ryan), 2000;106:267-71

Comparative effects of long-acting β2-agonists, leukotriene receptor antagonists, and a 5-lipoxygenase inhibitor on exercise-induced asthma (Coreno et al), 2000;106:500-6

Exercise-induced asthma: is it the right diagnosis in elite athletes? (Anderson and Holzer), 2000;106:419-28

The mechanism of exercise-induced asthma is . . . (Anderson and Daviskas), 2000;106:453-9

Role of endogenous nitric oxide in exercise-induced airway narrowing in patients with bronchial asthma (Kanazawa et al), 2000;106:1081-7

Extrinsic allergic alveolitis

Extrinsic allergic alveolitis caused by cabreuva wood dust (Baur et al), 2000;106:780-1 (Letter to Editor)

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Development of seasonal allergic rhinitis during the first 7 years of life (Kulig et al), 2000;106:832-9

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Eosinophilic apoptosis in sinus mucosa: relationship to tissue eosinophilia and its resolution in allergic sinusitis (Fan et al), 2000;106:551-8

The Fas antigen is involved in thymic T-cell development as a costimulatory molecule, but not in the deletion of neglected thymocytes (Kurasawa et al), 2000;106:S19-31

A role for Fas-associated apoptosis in eczematous dermatitis (Zweiman and Rothenberg), 2000;106:783 (Beyond our pages)

Serum markers of graft-versus-host disease after bone marrow transplantation (Kayaba et al), 2000;106:S40-4

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Activating and inhibitory signaling in mast cells: new opportunities for therapeutic intervention? (Ott and Cambier), 2000;106:429-40

Negative regulation of FcεRI signaling by FcγRII costimulation in human blood basophils (Kepley et al), 2000;106:337-48

The relationship between serum IgE and surface levels of FcεR on human leukocytes in various diseases: correlation of expression with FcεRI on basophils but not on monocytes or eosinophils (Saini et al), 2000;106:514-20

***Felis domesticus* (Fep d 1)**

Demonstration of a partially cryptic epitope of the major cat allergen Fel d 1: consequences for mAb-based standardization of cat extracts (Batard et al), 2000;106:669-76

Exposure to mite and cat allergens on a range of clothing items at home and the transfer of cat allergen in the work (De Lucca et al), 2000;106:874-9

Passive cat allergen exposure (Leung et al), 2000;106:786 (Editors' choice)

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Monocyte chemoattractant peptide-1
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Negative regulation of FcεRI signaling by FcγRII costimulation in human blood basophils (Kepley et al), 2000;106:337-48
Sinusitis
Added relief in the treatment of acute recurrent sinusitis with adjunctive mometasone furoate nasal spray (Meltzer et al), 2000;106:630-7
Allergic fungal sinusitis: an immunohistologic analysis (Khan et al), 2000;106:1096-1101
Chronic sinusitis (Hamilos), 2000;106:213-27
Sinusitis, allergic
Eosinophilic apoptosis in sinus mucosa: relationship to tissue eosinophilia and its resolution in allergic sinusitis (Fan et al), 2000;106:551-8
Skin
Down-regulation of IL-12 by topical corticosteroids in chronic atopic dermatitis (Yawalkar et al), 2000;106:941-7
Road signs guiding leukocytes along the inflammation superhighway (Bochner), 2000;106:817-28
Skin prick test
Clinical cross-reactivity among goods of the Rosaceae family (Rodriguez et al), 2000;106:183-9
Randomized, double-blind, crossover challenge study in 53 subjects reporting adverse reactions to melon *(Cucumis melo)* (Rodriguez et al), 2000;106:968-72
Skin response
Effects of complement inactivation and IgG depletion on skin reactivity to autologous serum in chronic idiopathic urticaria (Fagiolo et al), 2000;106:567-72
Smoking
Suppression of human IL-1β, IL-2, IFN-γ, and TNF-α production by cigarette smoke extracts (Ouyang et al), 2000;106:280-7
Spacers
Efficacy of adding multiple doses of oxitropium bromide to salbutamol delivered by means of a metered-dose inhaler with a spacer device in adults with acute severe asthma (Nakano et al), 2000;106:472-8
Pharmacokinetics, pharmacodynamics, and the delivery of pediatric bronchodilator therapy (Skoner), 2000;106:S158-64
Specificity
Demonstration of a partially cryptic epitope of the major cat allergen Fel d 1: consequences for mAb-based standardization of cat extracts (Batard et al), 2000;106:669-76
Problems and possibilities in understanding the natural history of asthma (Peat et al), 2000;106:S144-52
Spectratyping
Delayed recovery of CDR3 complexity of the T-cell receptor-β chain in recipients of allogeneic bone marrow transplants who had virus-associated interstitial pneumonia: monitor of T-cell function by CDR3 spectratyping (Hirokawa et al), 2000;106:S32-9

Spleen
Early expression of Iε, CD23 (FcεRII), IL-4Rα, and IgE in the human fetus (Lima et al), 2000;106:911-17

Sports medicine
Allergy and asthma in elite summer sport athletes (Helenius and Haahtela), 2000;106:444-52
Asthma in United States Olympic athletes who participated in the 1998 Olympic Winter Games (Weiler and Ryan), 2000;106:267-71

Sputum
Eosinophil cationic protein relates to sputum neutrophil counts in healthy subjects (Leigh et al), 2000;106:593-4 (Brief communication)
Exhaled NO in asthma: is it a clinically useful measurement? (Leung et al), 2000;106:601 (Editors' choice)

Sputum, induced
Characterization of airway inflammation after repeated exposures to occupational agents (Lemière et al), 2000;106:1163-70
A comparison of exhaled nitric oxide and induced sputum as markers of airway inflammation (Berlyne et al), 2000;106:638-44
The relationship of sputum eosinophilia and sputum cell generation of IL-5 (Liu et al), 2000;106:1063-9
Role of endogenous nitric oxide in exercise-induced airway narrowing in patients with bronchial asthma (Kanazawa et al), 2000;106:1081-7

Standardization
Demonstration of a partially cryptic epitope of the major cat allergen Fel d 1: consequences for mAb-based standardization of cat extracts (Batard et al), 2000;106:669-76

Stem cells
Regulation of chymase production in human mast cell progenitors (Ahn et al), 2000;106:321-8

Stem cells, peripheral blood, transplantation of
Induction of autologous graft-versus-host disease with cyclosporin A after peripheral blood stem cell transplantation: analysis of factors affecting induction (Miura et al), 2000;106:S51-7

Steroid(s)
Do inhaled steroids really reduce steroid adverse effects? (Leung et al), 2000;106:602 (Editors' choice)
Risk factors associated with glucocorticoid-induced adverse effects in children with severe asthma (Covar et al), 2000;106:651-9

Steroid(s), intranasal
Intranasal fluticasone propionate does not prevent acute otitis media during viral upper respiratory infection in children (Ruohola et al), 2000;106:467-71
Intranasal steroids and respiratory virus infection: does response depend on causative virus? (Leung et al), 2000;106:408 (Editors' choice)
Systemic effects of intranasal steroids: an endocrinologist's perspective (Allen), 2000;106:S179-90

Steroid(s), resistance to
Latent adenoviral infection modifies the steroid response in allergic lung inflammation (Yamada et al), 2000;106:844-51

Steroid insensitivity
Association of increased GRβ with fatal asthma (Leung et al), 2000;106:407 (Editors' choice)
Increased number of glucocorticoid receptor-β-expressing cells in the airways in fatal asthma (Christodoulopoulos et al), 2000;106:479-84

Steroid sparing
Inhaled mometasone furoate reduces oral prednisone requirements while improving respiratory function and health-related quality of life in patients with severe persistent asthma (Fish et al), 2000;106:852-60

Stress
Stress, chronic inflammation, and emotional and physical well-being: concurrent effects and chronic sequelae (Chrousos), 2000;106:S275-91

Stromal cell-derived factor 1α
Glucocorticoids preferentially upregulate functional CXCR4 expression in eosinophils (Nagase et al), 2000;106:1132-9

Substance P
Is *Mycoplasma* involved in airway neurogenic inflammation in asthma? (Leung et al), 2000;106:602 (Editors' choice)
Substance P and its receptor neurokinin 1 expression in asthmatic airways (Chu et al), 2000;106:713-22

Sunflower oil
Influence of refining steps on trace allergenic protein content in sunflower oil (Zitouni et al), 2000;106:962-7

Superoxide
Involvement of ion channels in human eosinophil respiratory burst (Schwingshackl et al), 2000;106:272-9

Surface markers
Systemic activation of basophils and eosinophils: markers and consequences (Bochner), 2000;106:S292-302

Surfactant
Interaction of fungal spores with the lungs: distribution and retention of inhaled puffball *(Calvaria excipulformis)* spores (Geiser et al), 2000;106:92-100
Is surfactant the key to the development of respiratory allergies (Leung et al), 2000;106:2 (Editors' choice)

Surrogate markers
The changing faces of asthma (Szefler), 2000;106:S139-43

Susceptibility
Evidence for the involvement of two different MHC class II regions in susceptibility or protection in allergic bronchopulmonary aspergillosis (Chauhan et al), 2000;106:723-9

Swimming
Allergy and asthma in elite summer sport athletes (Helenius and Haahtela), 2000;106:444-52

T

Tar
Modulation of the atopy patch test reaction by topical corticosteroids and tar (Langeveld-Wildschut et al), 2000;106:737-43

T-cell clone
Differences in antigen-specific T-cell responses between infants with atopic dermatitis with and without cow's milk allergy: relevance of TH2 cytokines (Schade et al), 2000;106:1155-62

T-cell responses
A murine model of peanut anaphylaxis: T-and B-cell responses to a major peanut allergen mimic human responses (Li et al), 2000;106:150-8

T cells; *see* T lymphocytes

Tetranychus urticae
Simultaneous occupational allergy to a carnation and its parasite in a greenhouse worker (Cisteró-Bahima et al), 2000;106:780 (Letter to Editor)

TH cell
Allergen sensitization through the skin induces systemic allergic responses (Beck et al), 2000;106:S258-63
Migration of helper T-lymphocyte subsets into inflamed tissues (Lukacs), 2000;106:S264-9
Stress, chronic inflammation, and emotional and physical well-being: concurrent effects and chronic sequelae (Chrousos), 2000;106:S275-91

TH1 cells
Subjects with allergic reactions to drugs show in vivo polarized patterns of cytokine expression depending on the chronology of the clinical reaction (Posadas et al), 2000;106:769-76
TH1 vs TH2 drug reactions (Leung et al), 2000;106:602 (Editors' choice)

TH2 cells
Differences in antigen-specific T-cell responses between infants with atopic dermatitis with and without cow's milk allergy: relevance of TH2 cytokines (Schade et al), 2000;106:1155-62
Subjects with allergic reactions to drugs show in vivo polarized patterns of cytokine expression depending on the chronology of the clinical reaction (Posadas et al), 2000;106:769-76
TH1 vs TH2 drug reactions (Leung et al), 2000;106:602 (Editors' choice)

Thymocytes, development of
The Fas antigen is involved in thymic T-cell development as a costimulatory molecule, but not in the deletion of neglected thymocytes (Kurasawa et al), 2000;106:S19-31

Thymocytes, differentiation of
Regulation of nuclear factor of activated T-cell family transcription factors during T-cell development in the thymus (Amasaki et al), 2000;106:S1-9

Thymus
The Fas antigen is involved in thymic T-cell development as a costimulatory molecule, but not in the deletion of neglected thymocytes (Kurasawa et al), 2000;106:S19-31
Regulation of nuclear factor of activated T-cell family transcription factors during T-cell development in the thymus (Amasaki et al), 2000;106:S1-9

Tires; *see* Latex

T lymphocytes
Additive immunosuppressive effects of 1,25-dihydroxyvitamin D3 and corticosteroids on TH1, but not TH2, responses (Jirapongsananuruk et al), 2000;106:981-5 (Brief communication)
Allergen sensitization through the skin induces systemic allergic responses (Beck et al), 2000;106:S258-63
Control of IL-5 production by human helper T cells as a treatment for eosinophilic inflammation: comparison of in vitro and in vivo effects between selective and nonselective cytokine synthesis inhibitors (Mori et al), 2000;106:S58-64
Delayed recovery of CDR3 complexity of the T-cell receptor-β chain in recipients of allogeneic bone marrow transplants who had virus-associated interstitial pneumonia: monitor of T-cell function by CDR3 spectratyping (Hirokawa et al), 2000;106:S32-9
Determinants of the immune-inflammatory response in allergic airway inflammation: overview of antigen presentation and cellular activation (Ritz et al), 2000;106:S206-12
The Fas antigen is involved in thymic T-cell development as a costimulatory molecule, but not in the deletion of neglected thymocytes (Kurasawa et al), 2000;106:S19-31
IL-10–producing T cells in anergic patients with tuberculosis (Zweiman et al), 2000;106:405 (Beyond our pages)
Induction of immunologic tolerance to environmental allergens: effective protection against asthma and allergy (Leung et al), 2000;106:200 (Editors' choice)
Mechanisms preventing allergen-induced airways hyperreactivity: role of tolerance and immune deviation (Tsitoura et al), 2000;106:239-46
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Natural killer 1.1+ T cells and "natural suppressor" T cells in the bone marrow, 2000;106:S113-14
Prospective 5-year study of peripheral blood CD4+, CD8+, and CD19+/CD20+ lymphocytes and serum Igs in children born to HIV-1+ women (Shearer et al), 2000;106:559-66
Recruitment of T cells to the lung in response to antigen challenge (Hamid and Cameron), 2000;106:S227-34
Regulation of nuclear factor of activated T-cell family transcription factors during T-cell development in the thymus (Amasaki et al), 2000;106:S1-9

Tear and conjunctival changes during the allergen-induced early-and late-phase responses (Bacon et al), 2000;106:948-54
T lymphocytes in asthma: bronchial versus peripheral responses (Durham et al), 2000;106:S221-6
Transplacental allergen-specific fetal T-cell priming is restricted to the second trimester (Leung et al), 2000;106:408 (Editors' choice)
Transplacental priming of the human immune system with environmental allergens can occur early in gestation (Szépfalusi et al), 2000;106:530-6
T-regulatory 1 cells: a novel subset of CD4+ T cells with immunoregulatory properties (Levings and Roncarolo), 2000;106:S109-12

Tobacco
Prohevein-like defense protein of tobacco is a cross-reactive allergen for latex-allergic patients (Hänninen et al), 2000;106:778-9 (Brief communication)

Tolerance
Induction of immunologic tolerance to environmental allergens: effective protection against asthma and allergy (Leung et al), 2000;106:200 (Editors' choice)
Mechanisms preventing allergen-induced airways hyperreactivity: role of tolerance and immune deviation (Tsitoura et al), 2000;106:239-46

Tolerance, inhalation
Determinants of the immune-inflammatory response in allergic airway inflammation: overview of antigen presentation and cellular activation (Ritz et al), 2000;106:S206-12

Traditional Chinese medicine
Beneficial effect of herbal formula, MSSM-002, on an asthma model (Leung et al), 2000;106:601 (Editors' choice)
The Chinese herbal medicine formula MSSM-002 suppresses allergic airway hyperreactivity and modulated TH1/TH2 responses in a murine model of allergic asthma (Li et al), 2000;106:660-8

Traffic
Latex particles from tires: are they a health hazard? (Leung et al), 2000;106:407 (Editors' choice)
Traffic exposure and allergic sensitization against latex in children (Hirsch et al), 2000;106:573-8

Transcription factors
Regulation of nuclear factor of activated T-cell family transcription factors during T-cell development in the thymus (Amasaki et al), 2000;106:S1-9

Transforming growth factor
Are neutrophils involved in airway remodeling in asthma? (Leung et al), 2000;106:993 (Editors' choice)
Peripheral blood and airway tissue expression of transforming growth factor β by neutrophils in asthmatic subjects and normal control subjects (Chu et al), 2000;106:1115-23
Production of fibrogenic cytokines by cord blood-derived cultures human mast cells (Kanbe et al), 2000;106:S85-90

Transplantation
T-regulatory 1 cells: a novel subset of CD4+ T cells with immunoregulatory properties (Levings and Roncarolo), 2000;106:109-12

Transplantation, bone marrow
Delayed recovery of CDR3 complexity of the T-cell receptor-β chain in recipients of allogeneic bone marrow transplants who had virus-associated interstitial pneumonia: monitor of T-cell function by CDR3 spectratyping (Hirokawa et al), 2000;106:S32-9
Serum levels of soluble IL-2 receptor, IL-12, IL-18, and IFN-γ in patients with acute graft-versus-host disease after allogeneic bone marrow transplantation (Nakamura), 2000;106:S45-50
Serum markers of graft-versus-host disease after bone marrow transplantation (Kayaba et al), 2000;106:S40-4

Transplantation, peripheral blood stem cell
Induction of autologous graft-versus-host disease with cyclosporin A after peripheral blood stem cell transplantation: analysis of factors affecting induction (Miura et al), 2000;106:S51-7

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Comparison of inflammatory responses to genetically engineered hypoallergenic derivatives of the major birch pollen allergen Bet v 1 and to recombinant BET v 1 wild type in skin chamber fluids collected from birch pollen-allergic patients (Nopp et al), 2000;106:101-9
Identification of obeche wood *(Triplochiton scleroxylon)* allergens associated with occupational asthma (Quirce et al), 2000;106:400-1 (Brief communication)
Persimmon leaf extract and astragalin inhibit development of dermatitis and IgE elevation in NC/Nga mice (Kotani et al), 2000;106:159-66
Recombinant humanized mAb-E25, an anti-IgE mAb, in birch pollen-induced seasonal allergic rhinitis (Ädelroth et al), 2000;106:253-9

T-regulatory 1 cells
T-regulatory 1 cells: a novel subset of CD4+ T cells with immunoregulatory properties (Levings and Roncarolo), 2000;106:109-12

Trypsin
Proteinase-activated receptor-2-mediated matrix metalloproteinase-9 release from airway epithelial cells (Vliagoftis et al), 2000;106:537-45

Tryptase
Allergic fungal sinusitis: an immunohistologic analysis (Khan et al), 2000;106:1096-1101
Basophil and eosinophil accumulation and mast cell degranulation in the nasal mucosa of patients with hay fever after local allergen provocation (KleinJan et al), 2000;106:677-86
Histamine and tryptase levels in patients with acute allergic reactions: an emergency department-based study (Lin et al), 2000;106:65-71
Mast cell tryptase release and asthmatic responses to

allergen increase with regular use of salbutamol (Swystun et al), 2000;106:57-64
Regulation of chymase production in human mast cell progenitors (Ahn et al), 2000;106:321-8
Tear and conjunctival changes during the allergen-induced early-and late-phase responses (Bacon et al), 2000;106:948-54

Tuberculosis
IL-10–producing T cells in anergic patients with tuberculosis (Zweiman et al), 2000;106:405 (Beyond our pages)

Tumor growth factors
TGF-β reverses murine asthma (Zweiman and Rothenberg), 2000;106:197 (Beyond our pages)

Tumor necrosis factor(s)
IL-9 expression by human eosinophils: regulation by IL-1β and TNF-α (Gounni et al), 2000;106:460-6 (Rapid publication)
Serum markers of graft-versus-host disease after bone marrow transplantation (Kayaba et al), 2000;106:S40-4
Suppression of human IL-1β, IL-2, IFN-γ, and TNF-α production by cigarette smoke extracts (Ouyang et al), 2000;106:280-7

Twin studies
Genetics of peanut allergy: a twin study (Sicherer et al), 2000;106:53-6

U

Urticaria
Effects of complement inactivation and IgG depletion on skin reactivity to autologous serum in chronic idiopathic urticaria (Fagiolo et al), 2000;106:567-72
Immunotherapy for latex allergy (Leung et al), 2000;106:407 (Editors' choice)
Neonatal urticaria as a symptom of a multisystem inflammatory disease (Ferdman et al), 2000;106:986-7 (Brief communication)
Specific immunotherapy with a standardized latex extract versus placebo in allergic healthcare workers (Leynadier et al), 2000;106:585-90

V

Vaccination(s)
BCG scar diameter and asthma: a case-control study (Sarinho et al), 2000;106:1199-1200
Change in gelatin content of vaccines associated with reduction in reports of allergic reactions (Nakayama and Aizawa), 2000;106:591-2 (Brief communication)
DNA-based vaccination reduces the risk of lethal anaphylactic hypersensitivity in mice (Horner et al), 2000;106:349-56
Local reactions during allergen immunotherapy do not require dose adjustment (Tankersley et al), 2000;106:840-3
Raw egg allergy—a potential issue in vaccine allergy (Kelso), 2000;106:990 (Correspondence)
Recombinant allergens for diagnosis and therapy of allergic disease (Chapman et al), 2000;106:409-18 (New millennium)

Validation
Parents report mild daily asthma symptoms in young asthmatic children (Leung et al), 2000;106:786 (Editors' choice)
Validation of a pediatric asthma caregiver diary (Santanello et al), 2000;106:861-6

Valve, aortic
Atypical fatal hypocomplementemic urticarial vasculitis with involvement of native and homograft aortic valves in an African American man (Hong et al), 2000;106:1196-98

Vascular cellular adhesion molecule 1
Tear and conjunctival changes during the allergen-induced early-and late-phase responses (Bacon et al), 2000;106:948-54

Vasculitis, hypocomplementamic urticarial
Atypical fatal hypocomplementemic urticarial vasculitis with involvement of native and homograft aortic valves in an African American man (Hong et al), 2000;106:1196-8

Venom immunotherapy
Surface membrane antigen alteration on blood basophils in patients with Hymenoptera venom allergy under immunotherapy (Siegmund et al), 2000;106:1190-5

Vernal keratoconjunctivitis
Allergic and immunologic disorders of the eye. Part I: immunology of the eye (Bielory), 2000;106:805-16

Vicilin subunit
Isolation and characterization of relevant allergens from boiled lentils (Sánchez-Monge et al), 2000;106:955-61

Viral infections
Interactions between allergic inflammation and respiratory viral infections (Avila), 2000;106:829-31 (Editorial)

Virus
Intranasal fluticasone propionate does not prevent acute otitis media during viral upper respiratory infection in children (Ruohola et al), 2000;106:467-71
Intranasal steroids and respiratory virus infection: does response depend on causative virus? (Leung et al), 2000;106:408 (Editors' choice)
The role of viral infections in the natural history of asthma (Gern and Busse), 2000;106:201-12

Vitamin D
Additive immunosuppressive effects of 1,25-dihydroxyvitamin D3 and corticosteroids on TH1, but not TH2, responses (Jirapongsananuruk et al), 2000;106:981-5 (Brief communication)

W

Water gradient
Natural and induced allergic responses increase the

ability of the nose to warm and humidify air (Assanasen et al), 2000;106:1045-52

Western blot

Influence of refining steps on trace allergenic protein content in sunflower oil (Zitouni et al), 2000;106:962-7

Wheezing

The dose of intravenous hydrocortisone in acute wheezing and dyspnea (Barlan), 2000;106:782 (Correspondence)

The dose of intravenous hydrocortisone in acute wheezing and dyspnea (Sano), 2000;106:782 (Letter reply)

Z

Zafirlukast

Leukotriene antagonist improves control of severe asthma (Zweiman and Rothenberg), 2000;106:1207 (Beyond our pages)

Zucchini

Allergy caused by ingestion of zucchini *(Cucurbita pepo):* characterization of allergens and cross-reactivity to pollen and other foods (Reindl et al), 2000;106:379-85